

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/757,142	WOOD, GORDON ASTOR	
	Examiner	Art Unit	
	Ali Bayat	2624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to 01/14/04.
2.  The allowed claim(s) is/are 1-30.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None
 of the:
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 09/10/04
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

### **Allowed Claims**

1. Claims 1-30 are allowed.

### **Reasons For Allowance**

2. The following is an examiner's statement of reasons for allowance: the closest prior art of Tzannes et al. (Pub.No. US 2004/0047511 a1) relates to systems and methods for iteratively adapting compression parameters for image compression (field of invention). Further in Fig.7 illustrates an exemplary method of compressing images in a sequence using rate distortion optimization by data modeling based on Laplacian distributions. In particular, the control beings in step S 900 and continues to step S 910. In step S910, a first image in a sequence of images is received. Next, in step S920, the first image is compressed. Then, in step S930, the used value of Lagrangina Multiplier (see Para.58) is stored. Control then continues to step S940. In step S940, the first compressed image is output. Next, in step S950, the value of the Lagrangian Multiplier is adapted based on a difference between a target rate or target quality and the achieved rate for the current image. Then, in step S960, this adapted Lagranngian Multiplier value is used to select the bandwidths and compress the next image in the sequence of images. Control then continues to step S970-step S1000, see Paragraphs 79-81, of Tzannes et al. Tzannes failed to teach or suggest for interpolating, using the first pair of values, a second pair of values, and a first new pair of values which first new pair includes the desired value for the magnitude of compression and an as yet unknown first new value for the compression parameter to determine a value for this first new value for the compression parameter by computing its value from the

remaining five values; and performing a first new compression of the fingerprint image information using this first new value for the compression parameter to produce a first new set of compressed information; whereby the first new set of compressed information is compressed close to the desired value for the magnitude of compression.  
In combination into other features and elements of independent claims 1 and 16.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### **Citation of Relevant Prior Art**

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

(Pub. No. US 2006/0171465 A1) to Thyagarajan is cited for Dct compression using Golomb-Rice coding.

U.S. patent (6,870,963) to Govindaswamy et al. is cited for configurable pattern optimizer.

U.S. patent (5,923,376) Pullen et al. is cited for method and system for the fractal compression of data using and integrated circuit for discrete cosine transform compression/decompression.

U.S. patent (6,356,668) to Hosinger et al. is cited for method and for efficient rate control.

#### **Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ali Bayat whose telephone number is 571-272-7444. The examiner can normally be reached on M-F 9:00 AM-5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella can be reached on 571-272-7778. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Ali Bayat *AB*  
Patent examiner  
Division 2624  
3/14/07

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